614.1
N483s
1948

IARY OF VITAL STATISTICS, 1948

Department of Health, City of New York
Harry S. Mustard, M.D., *Commissioner*

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This annual publication appears about six months after the end of the last year for which statistics are shown, considerably in advance of the printed annual report of the Department of Health.

The tables are of two types. Some are historical showing changes over a period of time. Others are for the previous year only.

The historical data consist of five tables and one graph.

1. The first table on page 3 shows the population, live births, marriages, deaths, fetal deaths (abortions, miscarriages, and stillbirths), and infant mortality for each year since 1898, the year of the consolidation of the City of New York. Rates as well as numbers are shown in the table.

2. The number of cases of reportable infectious diseases since 1900 or since the disease was made reportable is shown in the second table on page 5.

3. The table on pages 8, 9 and 10 shows the yearly numbers of deaths and the crude death rates for each of 23 causes of death of public health interest for the last 30 years. The changes in the crude death rates, showing some health problems already solved and others still to be solved, are thus readily available.

4. Crude rates are affected by the age, color, and sex composition of the population. The greater the percentage of older persons in the population, the more deaths will there be and the higher will be the crude death rate. Similarly, the greater the percentage of non-whites in the population, the greater will be the crude death rate from such causes as tuberculosis. To eliminate the effect of changes in the age, sex, and color composition of the city's population a "corrected" or "standardized" rate is used. This rate is the weighted average of the age specific rates for the particular cause. The age specific rates are more valuable, but lack of space sometimes dictates the use of a "standardized" rate. The actual value or level of these rates depends on the standard used, since the standard determines the weighing factors, and an individual value has little meaning.

However, a series of standardized rates for a particular cause, shows the changes in the rate for that cause exclusive of the effects of changes in the composition of the population. This permits judging whether the rates are really increasing or decreasing and by how much. For this reason there is included the middle table on page 6, which shows "standardized" rates for deaths from all causes and 12 individual causes. As an illustration of the use of the table, let us look at the crude and "standardized" death rates from cancer and the degenerative (cardio-vascular-renal) diseases. Between 1920 and 1940, the crude cancer rate increased from 93.5 per 100,000 to 164.8, an increase of 76 percent. During the same period the "standardized" rate increased from 101.7 to 125.1, an increase of only 23 percent. The latter is more nearly correct, and it may be said that the change in the age composition of the population was responsible for most of the increase of the crude rate. The cardio-vascular-renal group presents a still more striking picture. The crude rate increased 25 percent, while the "standardized" rate decreased 18 percent. In other words, if the effect of the aging of the population is eliminated, the cardio-vascular-renal rate is found to have gone down.

5. The age specific rates, by sex, for deaths from all causes are shown for the five census years since 1900 in the top table of page 6. The reduction in the risk of dying in each age group shows why present New Yorkers may expect to live much longer than did those of 1900.

6. The chart at the bottom of page 6 shows how the city's population has aged in the first 40 years of this century. The increases in the crude death rates from the diseases of old age such as those of the cardio-vascular-renal system and cancer are due to this aging of the population.

The tables showing data for the last completed calendar year are four in number.

1. At the bottom of page 3, there is a table which shows the population of each of the city's five boroughs as well as the number of live births, deaths from all causes, fetal deaths, and maternal deaths which occurred in each borough.

2. Not all the deaths in any borough are of residents of that borough. Neither are all the births in a borough to mothers residing in that borough. Manhattan has more hospital facilities than its sister boroughs. The result is that less than 80 percent of the deaths in Manhattan are of persons who reside there, and only 65 percent of the births are to mothers who live on Manhattan Island. On the other hand, many of the residents of the more recently developed boroughs of the Bronx and Queens use the facilities in the boroughs of Manhattan and Brooklyn, so that the numbers of recorded births and deaths in the newer boroughs are smaller than the resident numbers. The table on page 4 shows, in addition to the total events recorded in the city, the same events by boroughs of residence as well as those occurring to known non-residents of the city. This table also shows deaths from each of the 44 causes of death of the Abridged International List.

Rates for the city as a whole are based on the total events recorded in the city. Non-resident data are not excluded. Resident data for New York City are published by the National Office of Vital Statistics, the only agency which can do this job thoroughly since it gets copies of all certificates of birth and death occurring in the United States. The figures published by the Office of Vital Statistics show that for New York City there are practically no differences between the recorded and resident figures. In only two causes of death are there noteworthy differences between the two sets of figures. The recorded cancer rate is about five percent higher than the resident rate. The recorded accidental death rate is about five percent lower than the resident rate.

3. The top table on page 5 shows the population at the last census as well as the deaths from all causes during the last calendar year by age according to color and sex.

4. One of the most interesting tables is the one on page 7. It shows the leading causes of death at six different age groups, by sex. For instance, at one to 14 years of age, accidents cause more deaths among males than any other cause. In females of the same age group, accidents, pneumonia, and influenza run a neck-and-neck race for the top place. In the next age group, accidents retain first place among males, but among females, tuberculosis is first, heart disease second, and accidents are only third. Beginning with age 45 years, heart disease takes over first place and cancer second place.

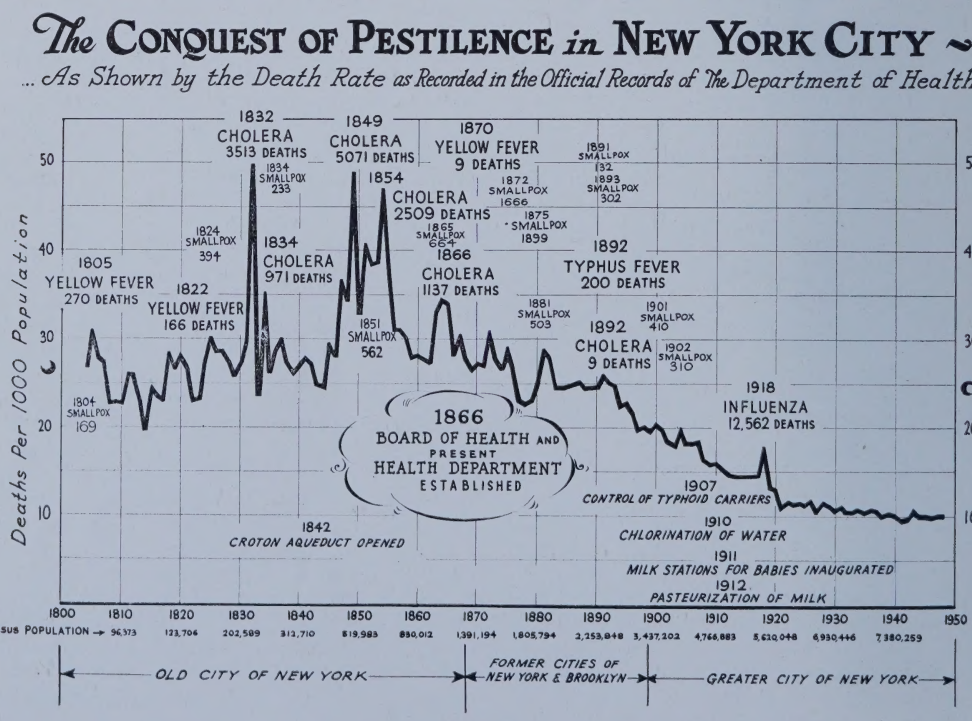
POPULATION ESTIMATES FOR HEALTH DISTRICTS

In the Summary of Vital Statistics, 1947, a new method of calculating the population of the city was described. Since the city of New York is divided for administrative purposes into 30 Health Districts, there is an ever present demand for population estimate for these districts. The relatively small populations of the districts proscribe the same method for calculating these populations as is used for the city and the boroughs, since constant migration changes cannot reliably be assumed.

It was decided to use as a basis for calculating district populations, the death rate from all causes for ages over one year, because this rate for the city has remained practically constant since 1940, except for 1943 which required certain adjustments. Using the relationship "Population = 1000 × Deaths ÷ Death Rate", population estimates were made for each district for each year since 1940. The slight differences between the total population of each borough as determined by this method and that previously determined were prorated among the districts in order to make the total for all districts in a borough conform to the borough estimates previously determined.

It is pointed out that these estimates, because of the method of estimating, cannot be used for calculating district general death rates.

District populations based on this method will appear in the publication "Vital Statistics by Health District and Health Area, 1948" and a full description of the method will be published in the Quarterly Bulletin of the Department of Health.


The CONQUEST OF PESTILENCE in NEW YORK CITY
... As Shown by the Death Rate as Recorded in the Official Records of The Department of Health...
Deaths Per 1000 Population
1832 CHOLERA 3513 DEATHS
1834 SMALLPOX 233
1849 CHOLERA 5071 DEATHS
1854
1870 YELLOW FEVER 9 DEATHS
1872 SMALLPOX 1666
1875 SMALLPOX 1899
1865 SMALLPOX 664
CHOLERA 2509 DEATHS
1891 SMALLPOX 132
1893 SMALLPOX 302
1824 SMALLPOX 394
1805 YELLOW FEVER 270 DEATHS
1822 YELLOW FEVER 166 DEATHS
1834 CHOLERA 971 DEATHS
1866 CHOLERA 1137 DEATHS
1892 TYPHUS FEVER 200 DEATHS
1881 SMALLPOX 503
1901 SMALLPOX 410
1892 CHOLERA 9 DEATHS
1902 SMALLPOX 310
1851 SMALLPOX 562
1804 SMALLPOX 169
1866 BOARD OF HEALTH AND PRESENT HEALTH DEPARTMENT ESTABLISHED
1918 INFLUENZA 12,562 DEATHS
1907 CONTROL OF TYPHOID CARRIERS
1842 CROTON AQUEDUCT OPENED
1910 CHLORINATION OF WATER
1911 MILK STATIONS FOR BABIES INAUGURATED
1912 PASTEURIZATION OF MILK
50
40
30
20
10
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950
CENSUS POPULATION → 96,373 123,706 202,589 312,710 515,983 880,012 1,391,194 1,805,794 2,253,848 3,437,202 4,766,883 5,620,048 6,930,446 7,380,259
OLD CITY OF NEW YORK
FORMER CITIES OF NEW YORK & BROOKLYN
GREATER CITY OF NEW YORK

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Population, Births, Marriages, Deaths and Infant Mortality, 1898-1948

Year	Estimated Population July 1	Live Births* Total Reported	Live Births* Rate per 1,000	Marriages Total Reported	Marriages Rate Per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Live Births
1898	3,272,000	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899	3,357,000	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900	3,446,000	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901	3,554,000	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902	3,666,000	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903	3,781,000	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904	3,901,000	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905	4,026,000	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906	4,167,000	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907	4,314,000	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908	4,469,000	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909	4,632,000	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910	4,785,000	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911	4,873,000	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912	4,961,000	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913	5,049,000	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914	5,137,000	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915	5,225,000	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916	5,312,000	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917	5,400,000	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918	5,488,000	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919	5,576,000	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920	5,684,000	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921	5,812,000	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922	5,939,000	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923	6,067,000	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924	6,195,000	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925	6,323,000	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926	6,451,000	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927	6,579,000	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928	6,707,000	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929	6,835,000	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930	6,944,000	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931	6,996,000	115,621	16.5	61,574	8.8	77,418	11.1	5,579	48.3	6,427	55.6
1932	7,048,000	109,878	15.6	58,957	8.4	74,319	10.5	5,396	49.1	5,594	50.9
1933	7,101,000	103,500	14.6	60,116	8.5	75,153	10.6	5,347	51.7	5,508	53.2
1934	7,153,000	101,239	14.2	67,347	9.4	75,857	10.6	5,070	50.1	5,287	52.2
1935	7,206,000	100,657	14.0	68,372	9.5	75,057	10.4	4,902	48.7	4,790	47.6
1936	7,258,000	98,507	13.6	72,234	10.0	77,638	10.7	4,992	50.7	4,490	45.6
1937	7,311,000	101,988	13.9	69,417	9.5	77,465	10.6	4,847	47.5	4,457	43.7
1938	7,363,000	102,045	13.9	63,493	8.6	73,775	10.0	4,995	48.9	3,910	38.3
1939	7,416,000	102,261	13.8	62,288	8.4	75,439	10.2	6,831#	66.8#	3,793	37.1
1940	7,468,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,746	34.9
1941	7,521,000	114,367	15.2	83,012	11.0	74,553	9.9	8,974	78.5	3,519	30.8
1942	7,581,000	131,989	17.4	81,454	10.7	75,674	10.0	10,013	75.9	3,805	28.8
1943	7,658,000	134,520	17.6	76,059	9.9	83,174	10.9	9,508	70.7	4,069	30.2
1944	7,729,000	122,748	15.9	67,315	8.7	78,783	10.2	9,987	81.4	3,829	31.2
1945	7,794,000	128,853	16.5	72,589	9.3	79,726	10.2	10,367	80.5	3,918	30.4
1946	7,864,000	152,736	19.4	104,548	13.3	78,481	10.0	12,980	85.0	4,239	27.8
1947	7,957,000	171,174	21.5	95,897	12.1	80,733	10.1	14,077	82.2	4,517	26.4
1948	8,067,00	157,969	19.6	92,273	11.4	81,651	10.1	14,018	88.7	4,138	26.2

* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.
\# Increase due to improved reporting of fetal deaths under 20 weeks gestation.

Births, Deaths, Maternal Deaths and Fetal Deaths, by Borough of Report, 1948

Borough	Estimated Population July 1	Live Births	Deaths	Fetal Deaths	Maternal Deaths Number	Maternal Deaths Rate per 10,000 Live Births	Maternal Deaths Rate per 10,000 Total Births*
Manhattan	1,932,000	50,510	28,695	5,138	71	14.1	12.8
The Bronx	1,532,000	21,540	12,917	2,028	27	12.5	11.5
Brooklyn	2,881,000	59,529	26,044	4,712	55	9.2	8.6
Queens	1,529,000	22,195	11,412	1,956	15	6.8	6.2
Richmond	193,000	4,195	2,583	184	1	2.4	2.3
City of New York	8,067,000	157,969	81,651	14,018	169	10.7	9.8

* Live births and fetal deaths.

Recorded Births, Fetal Deaths, and Deaths by Borough of Residence
City of New York, 1948

	Total Recorded In New York City	Known Residents By Borough of Residence: Manhattan	Bronx	B'klyn	Queens	Rich'd	Known Non-Residents of City	Permanent Res. Unknown
Live births	157,969	34,725	26,482	56,637	28,876	3,982	6,547	720
Rate per 1,000 population	19.6	18.0	17.3	19.7	18.9	20.6	.....	.....
Fetal deaths (stillbirths)*	14,018	3,755	2,357	4,670	2,304	189	594	149
Rate per 1,000 live births	88.7	108.1	89.0	82.5	79.8	47.5	.....	.....
Deaths under one year	4,138	1,107	675	1,361	683	92	182	38
Rate per 1,000 live births	26.2	31.9	25.5	24.0	23.7	23.1	.....	.....
Deaths under one month	3,174	841	523	1,036	557	66	123	28
Rate per 1,000 live births	20.1	24.2	19.7	18.3	19.3	16.6	.....	.....
Deaths from all causes	81,651	23,165	13,170	26,591	12,996	1,870	2,799	1,060
Death rate per 1,000 population	10.1	12.0	8.6	9.2	8.5	9.7	.....	.....
1. Typhoid and paratyphoid fevers	4	2	1	.....	.....	.....	1	.....
2. Plague	.....	.....	.....	.....	.....	.....	.....	.....
3. Scarlet fever	.....	.....	.....	.....	.....	.....	.....	.....
4. Whooping cough	8	.....	1	4	2	.....	1	.....
5. Diphtheria	6	1	2	2	.....	.....	1	.....
6. Pulmonary tuberculosis	2,880	1,242	335	730	299	41	107	126
7. Other tuberculosis	232	104	26	58	22	2	20	.....
8. Malaria	3	1	.....	1	.....	.....	1	.....
9. Syphilis	540	247	73	125	53	9	21	12
10. Influenza	38	7	11	10	6	3	.....	1
11. Smallpox	.....	.....	.....	.....	.....	.....	.....	.....
12. Measles	24	1	8	9	5	.....	1	.....
13. Typhus fever	2	.....	.....	2	.....	.....	.....	.....
14. Other infectious diseases	344	80	60	123	42	9	29	1
(a) Meningococcus meningitis	25	8	4	10	2	1	.....	.....
(b) Acute poliomyelitis	26	4	9	9	3	.....	1	.....
(c) Epidemic encephalitis	49	10	8	22	4	3	2	.....
15. Cancer	15,169	3,969	2,555	4,869	2,581	316	828	51
16. Non-malignant tumors	327	93	39	91	57	5	40	2
17. Chronic rheumatism, gout	32	14	4	9	2	2	1	.....
18. Diabetes	3,736	885	731	1,446	552	64	55	3
19. Alcoholism	301	135	14	85	23	1	11	32
20. Avitaminoses, other general diseases and chronic poisonings	965	232	155	326	157	16	74	5
21. Simple meningitis and spinal cord diseases	224	61	40	58	45	7	11	2
22. Intracranial lesions of vascular origin	3,777	1,063	598	1,216	624	159	90	27
23. Other diseases of the nervous system and sense organs	379	88	63	131	73	5	16	3
24. Diseases of the heart	31,985	8,551	5,263	11,190	5,254	756	705	266
25. Other diseases of the circulatory system	1,325	428	188	425	197	36	35	16
26. Bronchitis	141	53	20	34	25	1	7	1
27. The pneumonias	2,999	1,031	449	903	375	73	68	100
(a) Bronchopneumonia	1,599	469	251	564	221	34	38	22
(b) Lobar pneumonia	1,398	562	198	338	154	39	29	78
28. Other respiratory diseases (except tuberculosis)	297	103	43	72	55	7	12	5
29. Diarrhea and enteritis	186	49	37	65	22	2	9	2
(a) Diarrhea and enteritis under 2 years	115	32	23	41	12	.....	5	2
30. Appendicitis	251	45	50	92	52	6	4	2
31. Diseases of the liver and biliary passages	2,057	675	343	554	319	34	82	50
32. Other digestive diseases	1,477	421	236	481	230	33	61	15
33. Nephritis, all forms	2,435	665	364	798	446	67	82	13
34. Other diseases of urinary and genital systems	717	189	142	203	122	22	37	2
35. Puerperal infection	46	15	5	19	3	.....	3	1
36. Other puerperal causes	123	36	28	35	18	1	5	.....
37. Diseases of the skin and bones	112	33	28	29	13	3	6	.....
38. Diseases of early infancy	3,436	896	579	1,087	608	77	177	12
39. Old age	9	4	1	3	1	.....	.....	.....
40. Suicide	902	295	141	216	183	16	33	18
41. Homicide	342	154	45	72	28	3	7	33
42. Motor vehicle accidents	583	172	104	153	92	9	24	29
43. Other accidents	3,230	1,125	388	862	409	84	134	228
44. Causes not known or ill-defined	7	.....	.....	3	1	1	.....	2

Numbers at left are those of Abridged International List, 1938 revision.
*Stillbirths and reported abortions.

Population in 1940 and Deaths in 1948, City of New York

Age	1940 Population by Age, Color and Sex						Deaths in 1948 by Age, Color and Sex					
	White		Negro		Other		White		Negro		Other	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
All ages	3,455.003	3,522,498	205,727	252,717	15,563	3,487	41,531	32,555	3,871	3,413	259	22
Under 5	206,210	197,029	14,706	14,985	499	465	2,211	1,576	516	406	10	8
5-9	221,887	214,597	16,442	16,692	469	469	150	87	23	15	.....	.....
10-14	265,679	258,741	17,294	18,554	480	360	116	72	15	22	.....	.....
15-19	284,588	286,824	15,574	19,104	555	297	135	106	59	72	.....	2
20-24	289,049	318,135	15,251	25,848	562	308	298	213	109	139	.....	.....
25-29	301,328	343,262	20,008	30,970	1,222	363	337	343	159	167	5	1
30-34	308,050	329,637	21,924	29,256	1,808	352	477	454	190	180	7	1
35-39	304,806	309,413	23,418	28,768	2,726	290	855	676	238	232	8	.....
40-44	294,594	289,524	20,299	21,490	2,578	229	1,547	997	360	267	16	1
45-49	266,165	252,262	14,802	15,579	1,802	133	2,501	1,429	401	287	31	1
50-54	231,787	212,383	10,251	11,217	1,283	99	3,874	2,160	423	316	33	3
55-59	170,782	161,083	6,675	7,576	705	50	4,692	2,847	393	289	35	1
60-64	127,865	130,296	4,311	4,974	492	36	5,920	3,512	322	264	52	.....
65-69	86,370	97,299	2,676	3,845	229	20	5,643	4,221	253	264	25	1
70-74	53,153	64,217	1,219	1,978	102	6	5,221	4,488	199	205	18	1
75 and over	42,690	57,796	877	1,881	51	10	7,554	9,374	211	288	19	2

Cases of Reportable Infectious Diseases, City of New York, 1900-1948

Year	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fevers	Whooping Cough	Meningococcus Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,667	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	8,548	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1925	10,955	9,051	9,483	8,840	7,546	1,417	4,826	120	307	15,630	5,466	1,745	15,651	327
1926	10,498	7,531	39,750	7,968	6,757	913	3,487	170	111	17,700	4,728	5,911	22,661	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	688	5,876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	607	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	552	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	637	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	598	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	588	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	378	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	349	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8,987	1,124	36,548	11,417	8,324	334	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	299	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	312	12,232	112	43	37,077*	12,935	447	12,969	38
1939	8,277	543	3,653	6,121	9,103	198	5,821	71	184	32,874	12,810	1,546	16,875	62
1940	8,212	386	10,496	13,569	13,046	171	5,775	48	67	30,718	14,639	791	13,808	28
1941	8,459	362	79,646	7,206	9,773	183	7,811	118	404	27,194	12,297	2,677	10,707	49
1942	9,145	392	2,261	7,009	10,978	119	9,240	411	88	30,036	12,022	441	10,130	52
1943	8,283	274	23,627	9,484	9,290	123	3,678	1,406	361	25,878	12,957	1,387	7,663	37
1944	7,229	232	26,048	8,509	8,441	122	2,810	1,104	1,890	23,069	14,489	266	5,981	37
1945	6,232	254	1,870	8,347	7,905	118	4,992	487	547	22,690	18,009	334	5,830	34
1946	6,386	366	22,408	8,009	6,586	110	2,135	246	716	26,765	24,350	394	3,930	38
1947	6,832	378	7,915	3,583	11,921	75	3,224	113	224	26,303	22,746	268	2,517	30
1948	7,359	167	28,960	2,420	10,214	58	1,591	120	703	25,366	23,422	233	2,563	33

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

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Age Specific Death Rates, Per 1,000 Population
City of New York, 1900-1940

Age	1901-'02-'03		1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40-'41	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0-4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4	11.3	8.8
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3	0.9	0.7
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.1
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2	1.7	1.6
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4	2.2	2.0
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1	3.1	2.4
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0	4.5	3.2
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.8
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5	11.2	7.4
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0	17.2	11.5
55-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4	25.9	17.5
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3	37.9	26.8
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2	55.0	40.8
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3	78.9	62.5
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2	111.4	93.3
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2	149.8	141.5
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5	230.5	222.2

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

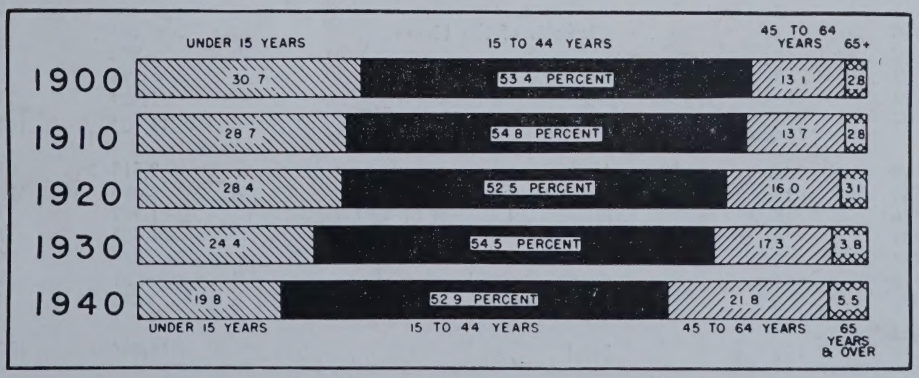
Standardized Death Rates* Per 100,000 Population
City of New York, 1900-1940

Cause of Death	Int. List Nos.	1901-'02-'03	1909-'10-'11	1919-'20	1929-'30-'31	1939-'40-'41
All causes		2,075.0	1,805.0	1,526.0	1,219.0	893.0
Pulmonary tuberculosis	(13)	204.3	172.2	126.6	63.6	40.0
Other forms tuberculosis	(14-22)	35.4	30.3	23.7	11.3	5.0
Influenza & pneumonia	(33, 107-109)	281.3	259.7	293.8	164.2	52.8
Cancer	(45-55)	83.2	94.8	101.7	116.7	125.1
Diabetes	(61)	16.6	19.3	19.9	26.3	31.2
Appendicitis	(121)	12.3	13.1	13.4	16.1	8.8
Nephritis	(130-132)	182.7	142.9	107.5	47.4	37.9
Diseases of circulatory system	(90-103)	193.6	299.0	325.6	376.2	303.0
Total degenerative diseases	(83a, 90-103,) (130-132)	469.6	467.5	450.4	433.1	370.5
Total accidents	(169-195)	94.2	82.1	70.5	71.7	47.0
Auto accidents	(170)	†	†	15.1	20.5	11.1
Other accidents	(169, 171-195)	†	†	55.5	51.1	35.8

* For 1901-'02-'03 and 1909-'10-'11, rates are standardized for age and sex; for 1919-'20, 1929-'30-'31 and 1939-'40-'41 rates are standardized for age, sex and color. Standard is the population of England and Wales in 1901. Rates were adjusted for sex and color according to the distribution of the population of states of the Death Registration Area of the United States in 1920.

† Data not available for 1901-1911.

New York City's Aging Population



Chief Causes of Death in Certain Age Groups*

City of New York, 1948

Males			Females	
Deaths	Per Cent	UNDER ONE YEAR	Deaths	Per Cent
993	41	Premature Birth	705	41
393	16	Congenital Malformations	350	21
293	12	Injury at Birth	172	10
277	11	Pneumonia and Influenza	178	10
216	9	Other Diseases of Early Infancy	140	8
66	3	Diarrhea	40	2
46	2	Accidents	44	3
134	6	All Other Causes	91	5
2,418	100	Total	1,720	100
		1 TO 14 YEARS		
145	23	Accidents	65	14
62	10	Pneumonia and Influenza	58	12
57	9	Cancer	52	11
53	9	Congenital Malformations	48	10
45	7	Leukemias and Aleukemias	26	6
36	6	Contagious Diseases**	28	6
25	4	Tuberculosis	31	7
24	4	Heart Diseases	18	4
176	28	All Other Causes	140	30
623	100	Total	466	100
		15 TO 24 YEARS		
86	14	Tuberculosis	165	31
129	22	Accidents	36	7
52	9	Heart Diseases	53	10
58	10	Cancer	36	7
48	8	Homicide	17	3
42	7	Suicide	17	3
20	3	Nephritis	25	5
.....	.....	Puerperal Diseases	42	8
19	3	Pneumonia and Influenza	22	4
147	24	All Other Causes	119	22
601	100	Total	532	100
		25 TO 44 YEARS		
1,073	25	Heart Diseases	525	16
485	11	Cancer	811	24
599	14	Tuberculosis	427	13
452	11	Accidents	140	4
243	6	Pneumonia and Influenza	111	3
127	3	Nephritis	157	5
154	4	Cirrhosis of the Liver	128	4
154	4	Suicide	111	3
117	3	Homicide	44	1
68	2	Intracranial Lesions of Vascular Origin	91	3
.....	.....	Puerperal Diseases	125	4
727	17	All Other Causes	649	20
4,199	100	Total	3,319	100
		45 TO 64 YEARS		
7,763	42	Heart Diseases	3,672	33
3,689	20	Cancer	3,358	30
574	3	Diabetes	950	9
1,107	6	Tuberculosis	166	1
638	3	Intracranial Lesions of Vascular Origin	635	6
906	5	Accidents	274	2
615	3	Cirrhosis of the Liver	308	3
487	3	Nephritis	352	3
624	3	Pneumonia and Influenza	194	2
2,274	12	All Other Causes	1,200	11
18,677	100	Total	11,109	100
		65 AND OVER		
9,290	48	Heart Diseases	9,513	51
3,558	19	Cancer	3,055	16
1,036	5	Intracranial Lesions of Vascular Origin	1,279	7
701	4	Diabetes	1,406	7
732	4	Accidents	844	4
698	4	Pneumonia and Influenza	551	3
572	3	Nephritis	670	4
2,556	13	All Other Causes	1,526	8
19,143	100	Total	18,844	100

* Arranged in order of importance for both sexes combined.
** International List numbers 1-44, except tuberculosis, syphilis and influenza.

YEAR	1919	1920	1921	1922	1923	1924	1925	1926
Population	5,576,000	5,684,000	5,812,000	5,939,000	6,067,000	6,195,000	6,323,000	6,451,000
Total deaths	74,433	73,249	64,257	69,690	69,452	71,252	71,864	76,082
Death rate	1,335	1,289	1,106	1,173	1,145	1,150	1,137	1,179
Total deaths under 5 years	15,744	17,288	13,672	14,847	11,839	12,891	11,442	12,599
Rate on estim. pop. under 5 years	2,811	3,082	2,441	2,685	2,153	2,335	2,073	2,308
Deaths under 1 year of age	10,639	11,340	9,548	9,666	8,578	8,820	8,315	8,509
Rate per 1,000 live births	82	85	71	75	66	68	65	68
Measles (35)	218	736	165	977	245	506	130	706
Rate#	35.8	122.0	27.4	163.0	41.2	85.2	21.8	119.3
Whooping cough (9)	161	615	350	268	202	382	307	221
Rate#	26.4	101.9	58.2	44.7	34.0	64.3	51.5	37.3
Scarlet fever (8)	136	220	385	216	107	80	75	77
Rate#	8.6	13.7	23.7	13.2	6.5	4.8	4.5	4.6
Diphtheria (10)	1,239	1,045	891	873	553	714	663	477
Rate#	78.2	64.9	54.9	53.4	33.6	43.1	39.8	28.5
Typhoid fevers (1, 2)	121	137	123	129	140	184	199	111
Rate	2.2	2.4	2.1	2.2	2.3	3.0	3.1	1.7
Meningococcus meningitis (6)	171	123	147	110	77	104	94	114
Rate	3.1	2.2	2.5	1.9	1.3	1.7	1.5	1.8
Pulmonary tuberculosis (13)	7,395	6,165	5,143	5,033	4,951	4,780	4,776	4,828
Rate	132.6	108.5	88.5	84.7	81.6	77.2	75.5	74.8
Other forms tuberculosis (14-22)	1,103	970	779	769	722	801	699	680
Rate	19.8	17.1	13.4	12.9	11.9	12.9	11.1	10.5
Influenza (33)	4,834	3,492	384	869	1,158	549	665	1,157
Rate	86.7	61.4	6.6	14.6	19.1	8.9	10.5	17.9
Pneumonia (107-109)	10,977	10,058	6,477	8,794	8,231	9,152	8,397	10,521
Rate	196.9	177.0	111.5	148.1	135.7	147.7	132.8	163.1
Other respiratory (104-6; 110-14)	1,187	1,443	967	920	521	498	541	673
Rate	21.3	25.4	16.6	15.5	8.6	8.0	8.6	10.4
Cancer (45-55)	5,147	5,317	5,573	5,945	6,287	6,557	6,784	7,033
Rate	92.3	93.5	95.9	100.1	103.6	105.8	107.3	109.0
Diabetes (61)	955	1,075	1,120	1,448	1,360	1,177	1,313	1,485
Rate	17.1	18.9	19.3	24.4	22.4	19.0	20.8	23.0
Appendicitis (121)	690	792	824	883	887	946	1,022	1,022
Rate	12.4	13.9	14.2	14.9	14.6	15.3	16.2	15.8
Nephritis (130-2)	5,007	4,833	4,105	4,450	4,367	3,705	3,912	4,360
Rate	89.8	85.0	70.6	74.9	72.0	59.8	61.9	67.6
Diseases of circulatory sys. (90-103)	14,077	15,195	15,696	17,350	18,453	19,616	19,453	20,463
Rate	252.5	267.3	270.1	292.1	304.1	316.6	307.7	317.2
Cerebral hem., apoplexy (83a)	811	718	886	501	597	763	847	978
Rate	14.5	12.6	15.2	8.4	9.8	12.3	13.4	15.2
Total degenerative diseases†	19,895	20,746	20,687	22,301	23,417	24,034	24,212	25,801
Rate	356.8	365.0	356.0	375.5	386.0	388.7	382.9	400.0
Suicides (163, 164)	703	670	831	789	825	829	935	904
Rate	12.6	11.8	14.3	13.3	13.6	13.4	14.8	14.0
Homicides (165-168)	279	325	303	337	308	387	337	340
Rate	5.0	5.7	5.2	5.7	5.1	6.2	5.3	5.3
Automobile accidents (170)**	767	763	849	870	945	961	1,022	1,069
Rate	13.8	13.4	14.6	14.6	15.6	15.5	16.2	16.0
Other accidents (169, 171-195)	3,059	2,856	2,634	2,801	3,249	3,239	3,765	3,674
Rate	54.9	50.2	45.3	47.2	53.6	52.3	59.5	57.0
Puerperal diseases (140-150)	644	708	746	699	623	678	697	595
Rate per 10,000 total births	47	51	53	51	46	50	52	45
Rate per 10,000 live births	49	53	56	54	48	52	54	47

Note:—Numbers following disease names are numbers of International List, 1938 Revision.
#Rates for measles and whooping cough, per 100,000 under five years; rates for scarlet fever and diphtheria per 100,000 un
*Coding changed in 1935, giving greater weight to Cerebral Hemorrhage than to Arteriosclerosis. **Motorcycle accidents not

Population, Deaths and Crude Death Rates per 100,000 Population, City of New York, 1919 to 19

1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	19
,579,000	6,707,000	6,835,000	6,944,000	6,996,000	7,048,000	7,101,000	7,153,000	7,206,000	7,258,000	7,311,000	7,363,000	7,41
70,430	78,091	77,482	74,888	77,418	74,319	75,153	75,857	75,057	77,638	77,465	73,775	7
1,071	1,164	1,134	1,078	1,107	1,054	1,058	1,060	1,042	1,069	1,059	1,002	
9,971	11,760	9,836	9,224	8,968	7,409	7,422	6,726	6,282	5,689	5,618	4,891	
1,820	2,158	1,818	1,721	1,689	1,436	1,490	1,404	1,363	1,269	1,216	1,087	
7,210	8,280	7,281	7,030	6,427	5,594	5,508	5,287	4,790	4,490	4,457	3,910	
56	66	59	57	56	51	53	52	48	46	44	38	
37	346	30	154	134	58	213	25	105	83	28	42	
6.3	58.7	5.1	26.4	23.2	10.2	38.9	4.7	20.7	16.9	5.8	8.8	
279	347	157	125	214	145	128	106	148	48	49	105	
47.3	58.8	26.8	21.4	37.0	25.6	23.4	20.1	29.1	9.8	10.2	22.0	
102	69	68	57	84	134	59	53	76	64	31	17	
6.1	4.1	4.0	3.4	5.0	7.9	3.5	3.1	4.5	3.8	1.9	1.1	
717	642	463	198	186	210	86	103	68	35	58	26	
42.7	38.1	27.4	11.7	11.0	12.4	5.1	6.1	4.0	2.1	3.6	1.6	
78	87	76	62	77	64	70	44	34	33	26	26	
1.2	1.3	1.1	0.9	1.1	0.9	1.0	0.6	0.5	0.5	0.4	0.4	
120	540	486	267	207	114	73	73	243	226	101	53	
1.8	8.1	7.1	3.8	3.0	1.6	1.0	1.0	3.4	3.1	1.4	0.7	
4,444	4,636	4,507	4,457	4,370	3,997	4,056	3,950	3,968	4,170	3,931	3,481	
67.6	69.1	65.9	64.2	62.5	56.7	57.1	55.2	55.1	57.5	53.8	47.3	
696	690	653	632	552	543	521	470	403	415	333	352	
10.6	10.3	9.6	9.1	7.9	7.7	7.3	6.6	5.6	5.7	4.6	4.8	
630	899	1,202	483	956	785	718	373	295	293	468	162	
9.6	13.4	17.6	7.0	13.7	11.1	10.1	5.2	4.1	4.0	6.4	2.2	
7,523	10,019	9,456	8,058	9,245	7,827	7,686	6,755	6,385	6,549	6,504	4,737	
114.4	149.4	138.4	116.0	132.2	111.1	108.2	94.4	88.6	90.2	89.0	64.3	
545	662	670	560	652	599	480	656	585	590	571	498	
8.3	9.9	9.8	8.1	9.3	8.5	6.8	9.2	8.1	8.1	7.8	6.8	
7,455	7,725	7,848	8,125	8,336	8,573	8,932	9,502	9,969	10,506	10,714	11,160	
113.3	115.2	114.8	117.0	119.2	121.7	125.8	132.8	138.3	144.8	146.5	151.6	
1,461	1,663	1,726	1,784	1,921	2,116	2,141	2,266	2,255	2,571	2,669	2,650	
22.2	24.8	25.3	25.7	27.5	30.0	30.2	31.7	31.3	35.4	36.5	36.0	
1,018	1,043	1,071	1,111	1,157	1,065	1,149	1,006	920	1,049	935	825	
15.5	15.6	15.7	16.0	16.5	15.1	16.2	14.1	12.8	14.5	12.8	11.2	
3,182	3,433	3,177	2,905	2,806	2,972	3,638	4,484	4,141	4,041	3,847	3,589	
48.4	51.2	46.5	41.8	40.1	42.2	51.2	62.7	57.5	55.7	52.6	48.7	
20,178	22,152	23,283	22,999	23,487	23,524	23,541	25,696	22,282	24,093	24,756	25,227	2
306.7	330.3	340.7	331.2	335.8	333.8	331.5	359.2	309.2	332.0	338.6	342.6	
818	667	566	588	682	544	749	602	*3,233	3,130	3,025	2,746	
12.4	9.9	8.3	8.5	9.7	7.7	10.5	8.4	44.9	43.1	41.4	37.3	
24,178	26,252	27,026	26,492	26,975	27,040	27,928	30,782	29,656	31,264	31,628	31,562	3
367.5	391.4	395.4	381.5	385.6	383.7	393.3	430.3	411.5	430.8	432.6	428.7	
1,073	1,182	1,255	1,403	1,500	1,595	1,343	1,239	1,170	1,116	1,140	1,246	
16.3	17.6	18.4	20.2	21.4	22.6	18.9	17.3	16.2	15.4	15.6	16.9	
366	402	425	494	586	580	541	458	447	380	373	309	
5.6	6.0	6.2	7.1	8.4	8.2	7.6	6.4	6.2	5.2	5.1	4.2	
1,095	1,075	1,344	1,290	1,298	1,179	1,137	1,145	1,078	932	983	908	
16.6	16.0	19.7	18.6	18.6	16.7	16.0	16.0	15.0	12.8	13.4	12.3	
3,509	3,589	3,518	3,578	3,336	3,091	3,101	3,316	3,179	3,296	3,203	2,924	
53.3	53.5	51.5	51.5	47.7	43.9	43.7	46.4	44.1	45.4	43.8	39.7	
694	668	629	667	698	663	665	492	523	459	408	357	
51	50	48	52	58	58	61	46	50	44	38	33	
54	53	51	54	60	60	64	49	52	47	40	35	

er fifteen years. †Includes nephritis, diseases of circulatory system, and cerebral hemorrhage (apoplexy).
involving collisions with automobiles are included with other accidents. ‡Rate is less than 0.05.

9	1940	1941	1942	1943	1944	1945	1946	1947	1948	
000	7,468,000	7,521,000	7,581,000	7,658,000	7,729,000	7,794,000	7,864,000	7,957,000	8,067,000	Population
439	76,008	74,553	75,674	83,174	78,783	79,726	78,481	80,733	81,651	Deaths
017	1,018	991	998	1,086	1,019	1,023	998	1,015	1,012	Rate
584	4,402	4,162	4,387	4,758	4,506	4,588	4,902	5,082	4,727	Deaths under 5
045	907	836	841	860	777	764	778	760	676	Rate
793	3,746	3,519	3,805	4,069	3,829	3,918	4,239	4,517	4,138	Infant deaths
37	35	31	29	30	31	30	28	26	26	Rate
1	3	25	1	19	22	3	23	2	24	Measles
0.2	0.6	5.0	0.2	3.4	3.8	0.5	3.6	0.3	3.4	Rate#
38	49	45	58	43	33	35	12	13	8	Whooping cough
7.9	10.1	9.0	11.1	7.8	5.7	5.8	1.9	1.9	1.1	Rate#
16	14	7	8	12	8	6	2	1	0	Scarlet fever
1.0	0.9	0.5	0.6	0.9	0.5	0.4	0.1	0.1	.....	Rate#
22	10	10	7	16	6	15	18	12	6	Diphtheria
1.4	0.7	0.7	0.5	1.1	0.4	1.0	1.1	0.7	0.3	Rate#
22	12	14	5	5	15	11	8	2	4	Typhoid fevers
0.3	0.2	0.2	0.1	0.1	0.2	0.1	0.1	‡	‡	Rate
36	17	42	84	246	199	102	59	35	25	Meningococcus men.
0.5	0.2	0.6	1.1	3.2	2.6	1.3	0.8	0.4	0.3	Rate
494	3,323	3,372	3,228	3,343	3,250	3,211	2,997	2,920	2,880	Pulmonary tuberculosis
7.1	44.5	44.8	42.6	43.7	42.0	41.2	38.1	36.7	35.7	Rate
320	304	343	274	317	284	302	248	208	232	Other tuberculosis
4.3	4.1	4.6	3.6	4.1	3.7	3.9	3.2	2.6	2.9	Rate
200	128	119	68	170	112	73	65	41	38	Influenza
2.7	1.7	1.6	0.9	2.2	1.4	0.9	0.8	0.5	0.5	Rate
234	3,410	3,383	2,957	3,862	3,470	3,053	2,936	2,964	2,999	Pneumonia
57.1	45.7	45.0	39.0	50.4	44.9	39.2	37.3	37.3	37.2	Rate
523	498	499	457	573	537	395	439	396	438	Other respiratory
7.1	6.7	6.6	6.0	7.5	6.9	5.1	5.6	5.0	5.4	Rate
597	12,310	12,069	12,993	13,198	13,609	13,978	14,067	14,644	15,169	Cancer
56.4	164.8	160.5	171.4	172.3	176.1	179.3	178.9	184.0	188.0	Rate
938	3,106	3,064	3,088	3,262	3,130	3,112	3,051	3,481	3,736	Diabetes
39.6	41.6	40.7	40.7	42.6	40.5	39.9	38.8	43.7	46.3	Rate
800	677	564	439	434	389	378	291	276	251	Appendicitis
0.8	9.1	7.5	5.8	5.7	5.0	4.8	3.7	3.5	3.1	Rate
353	3,545	3,242	3,042	3,393	2,909	2,819	2,686	2,602	2,435	Nephritis
45.2	47.5	43.1	40.1	44.3	37.6	36.2	34.2	32.7	30.2	Rate
672	27,809	28,052	29,091	33,528	31,607	32,152	31,642	32,664	33,310	Circulatory system
59.7	372.4	373.0	383.7	437.8	408.9	412.5	402.4	410.5	412.9	Rate
800	2,700	2,675	2,726	2,857	2,757	2,903	2,774	2,542	2,702	Cerebral hemorrhage
37.8	36.2	35.6	36.0	37.3	35.7	37.2	35.3	31.9	33.5	Rate
825	34,054	33,969	34,859	39,778	37,273	37,874	37,102	37,808	38,447	Total degenerative†
42.7	456.0	451.7	459.8	519.4	482.2	485.9	471.8	475.2	476.6	Rate
190	1,263	1,039	1,013	860	737	888	956	933	902	Suicides
16.0	16.9	13.8	13.4	11.2	9.5	11.4	12.2	11.7	11.2	Rate
303	290	286	267	225	228	317	374	369	342	Homicides
4.1	3.9	3.8	3.5	2.9	2.9	4.1	4.8	4.6	4.2	Rate
880	896	858	823	723	583	651	692	637	577	Automobile accidents**
11.9	12.0	11.4	10.9	9.4	7.5	8.4	8.8	8.0	7.2	Rate
123	2,989	2,881	2,955	3,246	3,029	3,344	3,260	3,270	3,236	Other accidents
42.1	40.0	38.3	39.0	42.4	39.2	42.9	41.5	41.1	40.1	Rate
320	315	250	306	292	222	205	179	185	169	Puerperal diseases
29	27	20	22	20	17	15	11	10	10	Rate—Total Births
31	29	22	23	22	18	16	12	11	11	Rate—Live Births

25-2455—5M 34